

1 Install/Configure CEN-RFGW-EX Gateway

The CEN-RFGW-EX gateway is an RF wireless transceiver designed for use with the MLX-2 infiNET EX™ LCD Handheld Remote. In order for the CEN-RFGW-EX and the MLX-2 to work together, they must go through the acquire process described here.

A. Apply Power

A choice of Cresnet® or PoE (Power-over-Ethernet) powers the CEN-RFGW-EX. The gateway model CEN-RFGW-EX-PWE includes a PoE Injector, which connects in line with the Ethernet cable connected to the gateway. Or, using Crestron’s 5-port PoE switch CEN-SW-POE-5 (sold separately), up to four gateways and other PoE devices can be powered from a single location.

**NOTE:** Power should be supplied through either the **LAN PoE** port or the **NET** port, but not both.

B. Ethernet Configuration

The CEN-RFGW-EX is set up for automatic configuration using DHCP. It is necessary for a DHCP server to be on the same subnet as the CEN-RFGW-EX.

C. Activate Acquire Mode

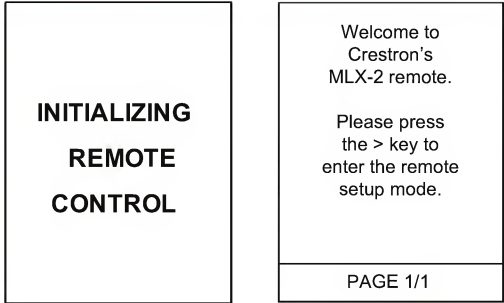
Using a straightened paperclip or similar device, press the recessed **ACQUIRE** button on the gateway. The associated LED will light, indicating that the gateway is in the *Acquire* mode.

Only one gateway at your site can be in *Acquire* mode at any given time.

2 Install/Configure MLX-2 Remote

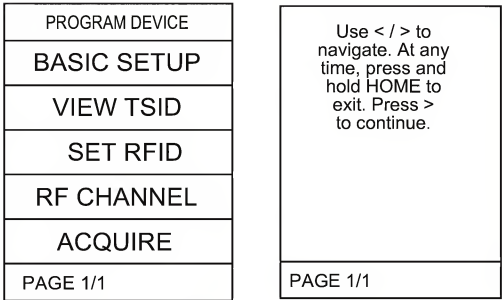
**NOTE:** There is no need to connect the MLX-2 to your PC via USB.

- A. The MLX-2 ships from the factory with a fresh set of batteries packaged separately. Insert them into the compartment in the back of the remote. (The battery orientation is embossed in the battery compartment.)
- B. Once the batteries are inserted, you should see the “Initializing” message for a few seconds on your screen, as shown in the next column, followed by the “Welcome” message.

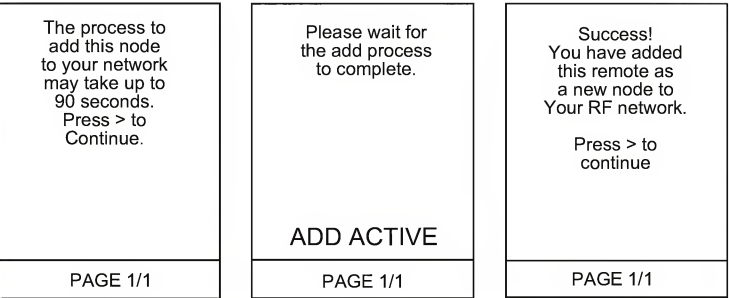


- C. To begin configuring the remote, follow the screen instruction and press the ► key next to the **HOME** button to initiate the *Setup* mode.
- D. When the “PROGRAM DEVICE” screen is displayed, press one of the buttons on either side of the **ACQUIRE** option to begin the acquire function.

The display provides navigation instructions that apply throughout the *Setup* mode process.



- E. As instructed, press the ► button to continue. The following screens display the acquire sequence, which will add the remote to the network.



- F. Press **HOME** twice to exit the *Setup* mode. The following screen appears on the remote. Be sure to make a record of the CEN-RFGW-EX IP address.



- G. On the gateway, press the **ACQUIRE** button again to exit the *Acquire* mode. The associated LED goes out.

If you wish to reenter the *Setup* mode, press and hold the **CLR** and **ENT** buttons simultaneously.

Refer to the latest version of the MLX-2 Operations Guide (Doc. 6739) for additional setup options. The manual is available from the Crestron website ([www.crestron.com/manuals](http://www.crestron.com/manuals)).

3 Factory Reset Procedure

If it becomes necessary to perform a factory reset, such as when trying to acquire the MLX-2 to a different network, do the following:

1. Remove one of the batteries.
2. Press and release any button.
3. Reinsert the battery - “INITIALIZING REMOTE CONTROL” appears on the screen.
4. When the message goes away, simultaneously press and hold the **0** (zero) and **OK** buttons.
5. Once the “INITIALIZING REMOTE CONTROL” message appears again, release the buttons and wait for the setup screens.

The factory reset procedure resets all *Setup* mode options back to their default values.

### 4 Load the VisionTools® Pro-e Project for the MLX-2

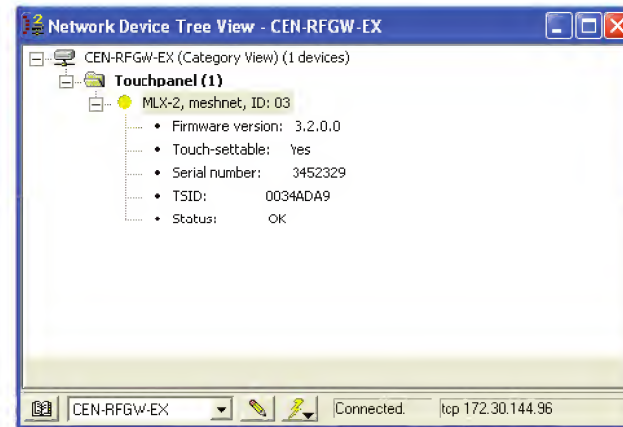
There are several methods that can be used to load the compiled output from VisionTools Pro-e (VT Pro-e) to the gateway. Two methods given here use Crestron Toolbox™. A third method uses VT Pro-e.

The project is stored in the gateway – the individual pages are sent to the remote as needed.

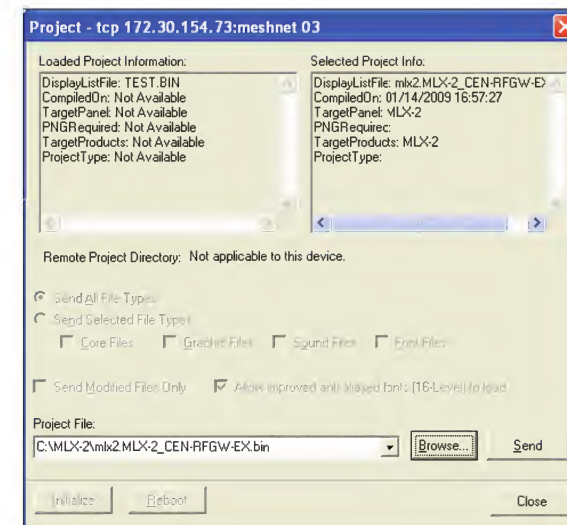
**NOTE:** If the gateway was turned off or otherwise lost power since acquiring the remote, make certain gateway power is on and press any button on the remote, once, to re-establish communication.

#### A. Method 1: Loading Projects via Network Tree

Open Toolbox, and from the **Tools** menu, select the **Network Device Tree View**. Enter the IP address of the gateway, noted in step 2 on page 1, to connect to the gateway. The resulting screen will be similar to the following illustration.



1. To load the project, right-click on the MLX-2 remote in the tree view, go to **Functions** and select **Project**. A screen similar to the one to the right is displayed.
2. Click on the **Browse** button to locate and select the project .BIN file.

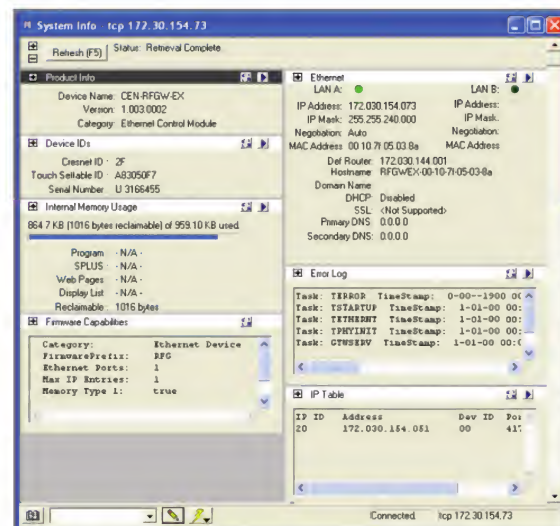


3. Select the file and press **Open**, then press **Send** in the “Project” window to load the file to the gateway and assign it to the remote.

The project is now loaded. If desired, you may exit Toolbox.

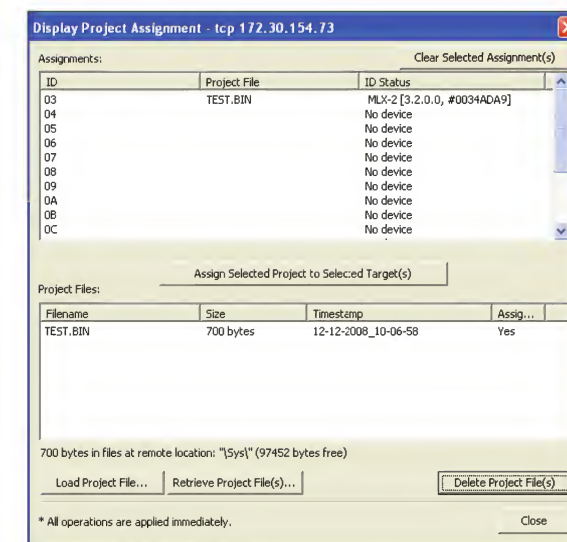
#### B. Method 2: Loading Projects via System Info

Open Crestron Toolbox and from the **Tools** menu, select the **System Info** tool. (Refer to the illustration below.) Enter the IP address of the gateway, noted in step 2 on page 1, to connect to the gateway.



1. From the Toolbox **Functions** menu, select **Display Project Assignment**. (Refer to the illustration to the right).
2. Click on **Load Project File**, locate and select the project .BIN file, and click the **Open** button. This loads the project to the CEN-RFGW-EX.
3. Click on the loaded project in the **Project File** (bottom) window.
4. Click on the target ID in the **Assignments** (top) window.
5. Click on **Assign Selected Project to Selected Target(s)**.

The project is now loaded and assigned to your remote. If desired, you may exit Toolbox.



#### C. Method 3: Loading Projects via VT Pro-e

In VT Pro-e, when the project is ready to be loaded to the CEN-RFGW-EX for the MLX-2, add an Address Book entry for the MLX-2.

1. For the *Connection Type* chose **Indirect**.
2. For *Device is at*, click **infiNET(EX) ID** and select the number from the drop-down list.
3. In the *Through* drop-down box, choose the **CEN-RFGW-EX** from your existing Address Book entries.

Using this new address, load the project in the usual manner.

